ASSIGNMENT 6

Textbook Assignment: "Ashore Systems and Operations (continued)," and "Administration," chapters 7 and 8, pages 7-8 through 8-10.

6-1. Aircraft direct refueling systems are normally used for what function?

1. To defuel aircraft
2. To fuel support equipment
3. To hot refuel aircraft
4. To fill refueler trucks

6-2. Mobile refuelers are normally used for what function?

1. To hot refuel aircraft
2. To act as a recovery system
3. To cold-refuel aircraft
4. To load barges

6-3. The bottom loading equipment of a mobile aircraft refueler must be capable of receiving at least how many gallons per minute?

1. 300 gpm
2. 600 gpm
3. 900 gpm
4. 1,200 gpm

6-4. Vehicles used for fueling aircraft must have how many fire extinguishers installed?

1. One
2. Two
3. Three
4. Four

6-5. Which of the following markings is used to identify a refuel and defuel truck?

1. JP-4 Jet Fuel F-40
2. JP-5 Jet Fuel F-44
3. Contaminated
4. Jet Fuel/JP

6-6. Refueler/defuelers and defuelers have a maximum defuel rate of

1. 50 gpm
2. 75 gpm
3. 100 gpm
4. 1,000 gpm

6-7. In a refueler and defueler, the hose evacuation system is used for defueling.

1. True
2. False

6-8. Daily checks on aircraft fueling equipment are good for a maximum of how many hours?

1. 12
2. 24
3. 3
4. 4

6-9. During the daily inspection of a refueler, water is found when the low points are trained. What action should you take?

1. Notify the air operations officer and have all aircraft fueled with that refueler recalled
2. Flush the refueler
3. Redrain the low points until a clear sample is obtained
4. Reclassify the fuel as contaminated

6-10. Fuel trucks that are more than half full are limited to a recirculation time of how many minutes?

1. 10
2. 15
3. 3
4. 5

6-11. Weekly checks are performed weekly and when a piece of equipment is being returned to service after being down for more than how many hours?

1. 12 hr
2. 24 hr
3. 48 hr
4. 72 hr

6-12. When are engine spark checks performed?

1. Every week
2. In the morning
3. In the afternoon
4. At night

6-13. Unless element problems require an earlier change, how often are filter and monitor elements changed?

1. Every 6 months
2. Every year
3. Every 3 years
4. Every 5 years

6-14. Filter and monitor elements require changing if the pressure drop across either unit reaches what total use?

1. 15 psi
2. 20 psi
3. 25 psi
4. 30 psi

6-15. Filter and monitor elements require changing if the pressure drop across both units reaches what total psi?

1. 15 psi
2. 20 psi
3. 25 psi
4. 30 psi

6-16. What problem may be indicated by a significant drop in differential pressure?

1. An element rupture
2. A leak in the downstream side from the filter or monitor
3. Clogged elements
4. Excessive water in the feed fuel

6-17. Which of the following operations must be immediately terminated if a spill or leak of any size occurs?

1. Sampling
2. Hot refueling
3. Cold refueling
4. Refueling support equipment

6-18. Large spills require handling by the Spill Response Team. What size spill is/are considered a large spill?

1. More than 10 square feet
2. Greater than 10 feet in any direction
3. More than 50 square feet
4. Both 2 and 3 above

6-19. What is the minimum number of personnel required when cold refueling aircraft at a pit?

1. Five
2. Two
3. Three
4. Four

6-20. Which of the following is a characteristic of deadman controls?

1. They are normally blocked open to allow the operator to perform other duties
2. They are never blocked open
3. They are used only in pits
4. They are used only when hot refueling aircraft

6-21. Before being filled from a truck fill stand, completely empty trucks must have approximately how many gallons of fuel pumped into them at a low flow rate from another truck?

1. 100 to 1,000
2. 250 to 500
3. 500 to 1,000
4. 100 to 500

6-22. What is the closest a truck may get to an aircraft?

1. 10 ft
2. 20 ft
3. 25 ft
4. 50 ft

6-23. Refuelers and refueler/defuelers are NEVER left pointing toward any part of an aircraft.

1. True
2. False

6-24. What is the minimum number of personnel required to fuel an aircraft by truck?

1. Five
2. Two
3. Three
4. Four

6-25. Why should a window be open when the engine of a truck is idling?

1. To prevent carbon monoxide building up in the cab
2. To allow the operator to hear refueling commands
3. So the operator can reach the power take off
4. So the operator can get out in case of a fire

6-26. When refueling with a truck, who is responsible for making sure the fire-fighting equipment is manned before starting the refueling operation?

1. Nozzleman
2. Refueling operator
3. Coordinator
4. Director

6-27. If a refueler operator has to leave his truck unattended. what is the first action taken?

1. Chock the wheels
2. Set the parking brakes
3. Stop the engine
4. Drive the truck clear of aircraft

6-28. Why are pantographs preferred over hoses for hot refueling operations?

1. Pantographs are easier to stow
2. Pantographs are less likely to be run over
3. Pantographs are less likely to rupture
4. Pantographs are easier to repair

6-29. When hot refueling, it is acceptable for the hose or pantograph to pass under the aircraft as long as the fueling coordinator is aware of the situation.

1. True
2. False

6-30. What special safety precaution must be followed if you are hot refueling a helicopter by truck without using a pantograph?

1. Two fire-fighting units must be manned
2. An extra length of hose must be added to the truck
3. The rotor blades must be disengaged

6-31. Piggyback refueling is conducted only with properly configured vehicles and under the direct supervision of whom?

1. Fuels division LPO
2. Fuels division LCPO
3. Fuels maintenance officer
4. Commanding officer

6-32. Who maintains a list of squadron personnel authorized to request a defuel?

1. Fuels division LPO
2. Fuels division LCPO
3. Fuels maintenance officer
4. Executive officer

6-33. When defueling aircraft on shore activities, the aircraft being defueled must be at least how far away from other structures and aircraft?

1. 10 ft
2. 25 ft
3. 50 ft
4. 100 ft

6-34. Defueled fuel containing leak detection dye is considered contaminated and cannot be reissued to aircraft.

1. True
2. False

6-35. During a defuel operation, the pump starts to lose prime or cavitates. At least how much time must pass before the supervisor authorizes a restart?

1. 1 min
2. 3 min
3. 5 min
4. 10 min

6-36. What is the first choice in disposing nonsuspect fuel defueled from an aircraft?

1. Use it to refuel aircraft from the same squadron of the defueled aircraft
2. Sell it
3. Issue it to aircraft scheduled for immediate sea duty
4. Use it to refuel helicopters

6-37. If a mobile refueler carrying JP-4 is changed to carry JP-5, what procedures must be followed?

1. Drain and fill with JP-5
2. Drain, flush with JP-5, drain again, and fill with JP-5
3. Drain, steam clean, dry, and fill with JP-5
4. Drain, gas free, and fill with JP-5

6-38. If a mobile refueler carrying JP-5 is changed to carry JP-4, what procedures must be followed?

1. Drain and fill with JP-4
2. Drain, flush with JP-4, drain again, and fill with JP-4
3. Drain, steam clean, dry, and fill with JP-4
4. Drain, gas free, and fill with JP-4

6-39. Smoking, spark or flame producing items, and open flames or hotwork are not permitted within how many feet of a refueling operation?

1. 50
2. 75
3. 100
4. 500

6-40. Aircraft refueling/defueling operations are not allowed to be conducted within how many feet of ground radar equipment?

1. 300
2. 500
3. 700
4. 1,000

6-41. Fuel vapors will collect in pits. sumps, and open sewers because the vapors are

1. lighter than air
2. heavier than air
3. warmer than air
4. cooler than air

6-42. Technical publication libraries serve what function?

1. A place to submit 3-M feedback reports
2. A central storage area for outdated but useful manuals
3. A central source of up-to-date technical information for personnel
4. A place to turn in parts for technical inspection

6-43. What type of manual contains a description of a system and instructions for its effective use?

1. 3-M manual
2. Maintenance manual
3. Operational manual
4. MRCs

6-44. Which of the following is an example of a maintenance manual containing a description of individual systems for the purpose of maintenance and repair?

1. Aircraft Refueling NATOPS Manual
2. Ship's Maintenance Material Management Manual
3. COMNAVAIRPAC/LANTINST 3100.4, Air Department Standard Operating Procedures
4. Maintenance Manual for Motor Driven JP-5 Transfer Pump, Type TG3DBCX-337

6-45. Technical/Maintenance manuals do NOT contain which of the following?

1. Theory of operation
2. Preventive maintenance procedures
3. Parts breakdown and numbers
4. Operating and design limits

6-46. Which of the following documents contains the provisions for its own cancellation?

1. An instruction
2. A Naval Ships Technical Manual
3. A maintenance requirement card
4. A notice

6-47. If a change is issued for a publication in your technical library, when should that change be made?

1. Immediately upon receipt
2. Within 7 days of receipt
3. Within 30 days of receipt
4. The next time the publication is required for use

6-48. Checklists can be tailored to fit specific equipment, but what requirements MUST be met in any checklist?

1. Tools required
2. Man-hours required
3. Preventive maintenance required
4. Intended use of the equipment

6-49. What is the purpose of checker cards?

1. To account for fuel issued to each aircraft
2. To check which fueling has been sampled
3. To tell how much fuel is in the service tanks
4. To check which aircraft has been sampled

6-50. A casualty is an equipment malfunction that reduces the unit's ability to perform its primary mission because it cannot be repaired within a maximum of how many hours?

1. 6
2. 12
3. 24
4. 48

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